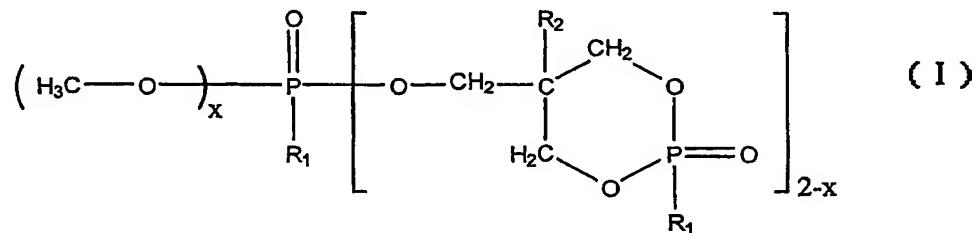


### **What is claimed is:**

1. A flame retardant styrenic resin composition comprising:

- (A) 70 to 99.5 parts by weight of a rubber-modified polystyrene resin; and
- (B) 0.5 to 20 parts by weight of a ring-shaped alkyl phosphonic acid ester compound represented by the following formula ( I ):



10 wherein  $R_1$  and  $R_2$  are independently of each other  $C_1-C_4$  alkyl and  $x$  is 0 or 1.

15 2. The flame retardant styrenic resin composition as defined in claim 1, wherein said ring-shaped alkyl phosphonic acid ester compound (B) is methyl-bis (5-ethyl-2-methyl-1,3,2-dioxaphorinan-5yl) methyl methyl phosphonic acid ester P-oxide or methyl- bis(5-ethyl-2-methyl- 1,3,2-dioxaphorinan-5yl) phosphonic acid ester P, P'-dioxide

20 3. The flame retardant styrenic resin composition as defined in claim 1, further comprising less than 10 parts by weight of a polyphenylene ether (C).

25 4. The flame retardant styrenic resin composition as defined in claim 3, wherein said polyphenylene ether (C) is poly(2,6-dimethyl-1,4-phenylene)ether.

5. The flame retardant styrenic resin composition as defined in claim 1, which

further comprises up to 50 parts by weight of an additive selected from the group consisting of plasticizers, heat stabilizers, anti-oxidants, light stabilizers, compatibilizers, pigment, dye and/or inorganic filler per 100 parts by weight of rubber modified styrenic resin (A).

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6. The flame retardant styrenic resin composition as defined in claim 1, wherein said ring-shaped alkyl phosphonic acid ester compound (B) is 0.5 to 6 parts by weight.

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7. The flame retardant styrenic resin composition as defined in claim 1, wherein said ring-shaped alkyl phosphonic acid ester compound (B) is 0.5 to 2 parts by weight.